DIMORPHOTHECA SINUATA AND *ZINNIA VIOLACEA* (ASTERACEAE), TWO ESCAPED CULTIVARS, NEW TO FLORA OF TEXAS

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ABSTRACT

Two cultivated annual composites are reported as new to the Texas flora: *Dimorphotheca sinuata* DC., *Zinnia violacea* Cav.

KEYWORDS: *Dimorphotheca*, *Zinnia*, Asteraceae, Flora, Texas.

Dimorphotheca sinuata DC., glandular cape marigold, has been reported as escaped from cultivation in California and Oregon (Hickman 1993, USDA 2002). Until now, the species has not been reported for Texas (Correll & Johnston 1970, Hatch et. al. 1990, Jones et. al. 1997, Nesom & Brown 1998, Sloan-Nelson 1996, Turner et. al. 2002). Approximately a dozen plants were found blooming in shades of orange and yellow along a recently constructed roadside with black clayey soil. These plants may be the result of direct seeding or contaminants in grass seeds, however, several plants were present at the same location in spring 2002.

Voucher specimen: **Walker Co.**: Roadside of Veteran's Memorial Parkway app. 1 mi S of TX Hwy 30, 19 Feb 02, *Keith* 94 (BRIT).

Zinnia violacea Cav., Elegant Zinnia, has been reported for nine states in the eastern United States (Gandhi & Thomas 1989, USDA 2002, Wunderlin & Hansen 2003). Approximately, 10 individuals were found in full bloom along a black, clayey roadside and adjacent pasture. This species has not been previously reported as escaped from

cultivation in Texas (Correll & Johnston 1970, Hatch et. al. 1990, Nesom & Brown 1998, Nelson 1996, Turner et. al. 2002), however, Jones et. al. (1997) list this species as cultivated. The plants appear to have successfully reproduced because the area where they occurred is on the edge of a cattle pasture where intentional cultivation was unlikely. In addition, two plants were found at the same locality in July 2003.

Voucher specimens: **Walker Co.**: Blackland pasture at intersection of Veteran's Memorial Parkway and Smither Ave., 18 Jul 02, *Keith 200* (BRIT); Blackland pasture at intersection of Veteran's Memorial Parkway and Smither Ave, 4 Aug 02, *Keith 206* (SHST).

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